

THE ROLE OF DIGITAL TECHNOLOGIES IN SUPPLY CHAIN MANAGEMENT

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At present, when the world is actively progressing and the development of technologies does not stand still, innovations and trends are also being introduced in the field of logistics. Now it is very important to achieve maximum efficiency in supply chain management through the competent organization of the transportation process through the introduction of innovative technologies. The digital technological process associated with the development of robotics and the use of artificial intelligence systems is aimed at reducing the number of operations that were performed by a person. Besides, it reduces overall costs.

The Internet of Things is a revolutionary technology. It is a system that integrates various devices to help fleet managers improve traffic control efficiency and reduce costs. It provides real-time data about the location of the product and its transport environment, collects data on the temperature inside vehicles, pressure, humidity and other indicators [1].

The drone market is expected to cause a wave of logistics. Drones will soon become a staple of our life. They can be used to deliver orders to customers, especially to urban areas with heavy traffic, to deliver medicine and aid packages to remote areas, this is topical in the current epidemiological situation. Drones are able to scan and transmit data on goods in stock, which will greatly simplify work in the warehouse.

Thus, it can be concluded that with the use of digital technologies, the process of managing a virtual supply chain will achieve the greatest efficiency with minimal costs and expenses. And it will provide managers with transparency and control they haven't had before.

References

1. Impact of Internet of Things on Supply Chain Management [Electronic resource]. – Mode of access: <https://www.digiteum.com/iot-supply-chain/>. – Date of access: 14.02.2022.